

FORM U-1A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

1. Manufactured by **BRUNNER ENGINEERING & MFG. CO.** P. O. Box 559 Bedford, Indiana
(Name and address of Manufacturer)

2. Manufactured for **SQUIRE-COGSWELL COMPANY, NORTHBROOK, IL**
(Name and address of Purchaser)

3. Type Horiz Vessel No. () (Mfrs. Serial) (State & State No.) Natl. Bd. No. 46,952 THRU 46,976 Yr. Built 1973

4. SHELL: Matl. SA 455-A T.S. 75,000 Nom. Thk. 1265 In. Corr. Allow 0210 In. Diam. 2 Ft. 0 In. Length 4 Ft. 1 In.
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

5. SEAMS: Long Single Butt Weld S.R. no X.R. spot Sectioned Efficiency 85%
(Yes or No) (Spot or Complete) (Yes or No) If riveted or brazed describe seams fully under remarks.
Girth DBL. butt weld S.R. X.R. Sectioned No. of Courses 1

6. HEADS: (a) Material SA 455-A T.S. 75,000 (b) Material SA 455-A T.S. 75,000
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Pressure
(Top, bottom, ends) (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)
(a) ends .1875 2:1 concave
(b) ends .1875
If removable, bolts used Other fastening

7. Constructed for max. allowable working press. 125 psi. at max. temp. 650° F. Min. temp. (when less than -20°) Hydrostatic } Test Press. 188 psi.

8. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
liq outlet	<u>1</u>	<u>5 XXXXX</u>	<u>3000</u>	<u>SA 105</u>	<u>none</u>	<u>welded</u>	
liq inlet	<u>1</u>	<u>3 XXX</u>	<u>3000</u>	<u>SA 105</u>	<u>none</u>	<u>welded</u>	
LIO INLET	<u>3</u>	<u>.25</u>	<u>3000</u>	<u>SA 105</u>	<u>NONE</u>	<u>WELDED</u>	
LIO OUTLET	<u>3</u>	<u>2</u>					

10. INSPECTION Manholes, No. none Size Location
OPENINGS: Handholes, No. none Size Location
Threaded. No. side of tank Size Location

11. SUPPORTS: Skirt 1 Lugs Legs Other Attached FW TO BOTTOM OF TANK
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: For Air and Water

Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc.—State Contents.
List other internal or external pressures with coincident temperature when applicable.)

We certify that the statements made in this report are correct and that all details of material, construction, and workman-hip of this vessel conform to the ASME Code for Unfired Pressure Vessels.

Date 9-14-73 Signed **BRUNNER ENGINEERING & MFG. CO.** By Jackie Moxley
(Manufacturer)

Certificate of Authorization Expires December 31 - 1974

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY **BRUNNER ENGINEERING & MFG., INC.** at **2315 8th St., Bedford, Indiana**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of **INDIANA** and employed by **LUMBERMENS MUTUAL CASUALTY COMPANY, of LONG GROVE, ILLINOIS**, have inspected the pressure vessel described in this manufacturer's data report on 9-14-73, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

DATE 9-14-73

Hermit C. Holter
Inspectors Signature

Commissions

NB 7160

Natl Board or State and No.